

Eastern Arizona Amateur Radio Society

EST. 1974

www.eaars.com

INC.



facebook.com/groups/eaars

Club Address: EAARS, PO Box 398, Solomon, AZ 85551



July, 2023

JOIN EAARS on Facebook

EAARS has a presence on Facebook and you are invited to **JOIN** the page. This is a great media to quickly share news, photos and events that are EAARS related or might be interesting to the members. If you utilize "Notifications" on the EAARS Facebook page, you can receive club updates AS THEY HAPPEN.

To reach the page, please visit **facebook.**

com/groups/eaars and **JOIN** the page. You must have a Facebook account to be part of the EAARS group.



EAARS Open Repeaters

PL 141.3 unless noted otherwise

Echolink: 614350 **IRLP:** 7787

Heliograph Peak at Safford, AZ:

146.860, 440.700 Linked

146.900, 447.8250 Not Linked

Jacks Peak at Silver City, NM:

145.210 Linked

West Peak at Ft Thomas, AZ:

145.350 Access to link to network

Pinal Peak at Globe, AZ:

145.410 Linked

South Mt at Alpine, AZ:

145.270 Linked

Caballo Mt at TorC, NM:

145.470 Linked

Greens Peak at Show Low, AZ

146.700 Linked

Little Florida at Deming, NM:

147.060 Linked

Mule Mt at Bisbee, AZ:

147.080 Linked

Mt Lemmon at Tucson, AZ

147.160 Linked

Guthrie Peak at Clifton, AZ:

147.280 Linked

Downtown at Tucson, AZ

147.28 Output

146.26 Input, **PL 127.3**

Gals on the Air!

EST. June 2015

Calling all Gals of any class ... Join us every Monday night for the
Gals Night Net @ 7:30 pm (AZ) on the EAARS system!

Facebook.com/groups/galsnightnet

Upcoming Events

*Would You like to see your event posted for the membership to see?
Email your information to emberfire@cox.net.*

2023

October 28 Alzheimer Walk

Clubs, send me the events you would like shown here.

WEEKLY EAARS' NETS

Every day:

Down Under Net - 4:15 am

Weather Net - 5:30 am

NTS Traffic Net - 6:30 pm

Sunday:

EAARS Net - 7:00 pm

Monday:

Gals Night Net - 7:30 pm

Wednesday:

*Skywarn Net - During Monsoon, Every Wednesday at 7:30 pm,
Off Season, every third Wednesday of month at 7:30 pm*

**All times are noted on
Arizona time.**

Saturday:

*ERC (Emergency Response Communications) Net - 8:45 am, 2nd
Saturday of the month (20-25 min duration). Due to unforeseen
circumstances, this net will come to its end, April 30, 2023. Thank you
all who supported this net!*

EAARS Officers and Staff

Board Officers

President	Dan Quaintance	AF7EF
Vice President	Joe Montierth	K7JEM
Secretary/Treasurer	Larry Griggs	N5BG

Staff

Site Trustee	Joe Montierth	K7JEM
Net Manager	Chris Buchanan	N7JND
Newsletter Editor	Angie Buchanan	N7EMB

Net Control Operators

Rick	W8YBM	1st Sunday
Larry	KG7VLN	2nd Sunday
Chris	N7JND	3rd Sunday
Angie	N7EMB	4th Sunday

ARRL RADIO CONTESTS

July 2023

8-9 IARU HF World Championship

For details on all ARRL contests and for non-ARRL contests,
visit <http://www.arrl.org/contest-calendar>

New EAARS Members!

Mike KL7KTP
Brian N1BGK

Welcome
HOME

Licensee Hit With \$24,000 Fine for Jamming Net, Failure to ID

An investigation by the Federal Communications Commission (FCC) results in a large fine against a California amateur radio license holder. A Notice of Apparent Liability Forfeiture (NALF) for \$24,000 has been filed against Phillip J. Beaudet, N6PJB, of Burney, California.

According to the filing, the penalty is for Beaudet "willfully and repeatedly interfering with the radio communications of the Western Amateur Radio Friendship Association (WARFA) while it was attempting to hold a regularly scheduled net and for failing to provide station identification on amateur radio frequencies."

FCC agents used direction finding techniques during November and December of 2022 to track the interfering signals to Beaudet's home station. Agents "heard him playing recordings on 3.908 MHz that caused interference to the ongoing WARFA net while failing to provide his assigned amateur call sign," the document stated.

While the above article from the ARRL involved a jammer on HF, the same follows jamming on repeaters. The first step in tracking a repeater jammer, is to identify the repeater he or she is coming in on. In the case of the EAARS system, it could be any of our 12 repeaters. The first step is to ALWAYS make sure you have the input of the repeaters you use, saved into memory. At any time you hear a jammer on the air, everyone not involved in the QSO, should switch to the input frequency and see if they can hear the jammer. Once the jammer input frequency is identified, tracking the signal with Doppler DF Equipment is a piece of cake.

If you do hear a jammer on the input frequency of a repeater, note the signal strength which can aid in tracing the signal.

Many of our local Ham Radio Clubs have Fox Hunting groups within the club and they like nothing more, than a good old fashion Fox Hunt. Inquire about Fox Hunting at your next meeting.

**73,
Chris N7JND**

Legislation to Remove Private Land Use Restrictions on Amateur Radio Introduced in Congress

ARRL - 06/13/2023

Congressmen Bill Johnson (OH-06) and Joe Courtney (CT-02) reintroduced a bill in the US House of Representatives on June 12 — H.R.4006 (see full text of bill in this PDF) — to remove private land use restrictions that prohibit, restrict, or impair the ability of Amateur Radio operators from operating and installing reasonable antennas on property that they own or control. Similar legislation, H.R. 9670, was introduced by Congressman Johnson in 2022.

"I reintroduced the Amateur Radio Emergency Preparedness Act to remove barriers to disaster and emergency communications and training, and to promote education in STEM subjects related to critically needed wireless technology," Congressman Johnson said in a release. "Passage of this bill will promote developing and sustaining our nation's wireless future and facilitate and encourage amateur radio operations as a public benefit."

"As their actions during recent natural disasters such as Hurricane Sandy proved, amateur radio operators in Connecticut can be a critical component of disaster response and emergency management. It is in our communities' best interest that we give them the capabilities to operate at the highest level, and with the re-introduction of this bill, we've taken a strong step in that direction," said Congressman Courtney.

The exponential growth of communities bound by private land use restrictions that prohibit both the operation of Amateur Radio and the installation of amateur station antennas has significantly restricted the growth of the Amateur Radio Service.

ARRL The National Association for Amateur Radio® continues its multi-year efforts to eliminate private land use restrictions that prevent Amateur Radio operations and has pledged to strongly support Congressman Johnson and Congressman Courtney in their efforts on behalf of Amateur Radio.

Rick Roderick, K5UR, President of ARRL, on behalf its Members and America's Amateur Radio community extended his thanks and appreciation for the leadership of Congressman Johnson and Congressman Courtney in their tireless efforts to support and protect the rights of all Amateur Radio Operators and to further STEM education and the advancement of American expertise in wireless technology.

NOAA Weather Radios During Monsoon

Article By: N7JND

As the Monsoons are starting to get under way, it's very important to be notified of approaching severe weather conditions in your area. In this day and age, there are many ways to receive weather warnings including weather apps on your smart phone along with local television station apps and TV/Radio. But my favorite is and will continue to be a NOAA Weather Radio. No matter where you live, chances are you are within receiving range of a VHF NOAA Weather transmitter. I keep a NOAA Weather Radio on my night stand which will alert me the moment the National Weather Service releases a weather warning. Most of the time, the NOAA Weather Radio will sound its alarm seconds prior to your smartphone apps or other means of alerting. Sometimes, seconds count.

Many Ham Radios also include a Weather Alert function. These are also worth programming up as many of us carry our HT's with us. And we all know that cell coverage is not available everywhere and you could miss an alert.

When shopping for a weather radio, look at one that decodes S.A.M.E signals. S.A.M.E. stands for "Specific Area Message Encoding". These messages will display on the radio, exactly what the warning is in addition to voice transmissions. On mine, it also displays when the warning will expire. The NOAA Weather Radio supporting the SAME feature, will require you to program the SAME CODE for your area. These codes are available at weather.gov/nwr/nwrsame. Also, a downloadable S.A.M.E. list for Arizona and New Mexico, can be found on the EAARS Facebook page under the FILES section.

In my opinion, you can't have too many ways to alert you to severe weather. When severe weather approaches my home, between the radios, smart apps, TV's and NOAA Weather Radio, I KNOW WHEN A STORM IS COMING!!!

NOAA Weather Radio transmits on 7 frequencies. They are... 162.400, 162.425, 162.450, 162.475, 162.500, 162.525 & 162.550.

For more information on NOAA Weather Radio, please visit weather.gov/nwr



Cal Poly Amateur Radio Club achieves 2,000th License Milestone

ARRL - 06/20/2023

Student-run Cal Poly Amateur Radio Club (CPARC) at California Polytechnic State University in San Luis Obispo County just hit a licensing milestone. On May 23, 2023, Kyle Wiens became the 2,000th person to pass the amateur radio exam given by CPARC since they started in 2009.



Wiens, now KO6ABA, is a Cal Poly alumnus and CEO of iFixit, a company that produces electronics repair guides for consumers. After learning about the approaching landmark, Wiens expressed immediate interest in being that 2,000th licensee.

Wiens and several interested members of the iFixit staff took a course from CPARC officers Mathew Shaham, KM6WIU, and Hunter Herring-Alderete, KN6RJA. Then they took an exam.

The session had 28 applicants and was the largest group of the year held by CPARC's Volunteer Examiners. Alumnus Marcel Stieber, AI6MS, served as session liaison and worked closely with student lead Andrew Fahey, KN6FIJ, to coordinate the exam.

CPARC uses an accelerated course licensing technique that became popular through Dr. Dennis Derickson's, AC0P, Freshman Licensing Initiative which started in 2011. Up until 2022, when the FCC began issuing a fee for new licenses, the initiative provided class credit in the introductory course, Electrical Engineering E-111, for obtaining an amateur radio license.

The effort gave new electrical engineering students a preview of topics covered in further classes. It also afforded students a practical outlet for skills like radio contesting and volunteering as communications support for events. At the peak of the initiative, CPARC was licensing more than 100 operators in one 50-minute class period.

"It's a big milestone. Most exam teams don't make it to license number 2,000. I'm really proud to support the students running these exam sessions," Stieber said after the exam session. As the last papers were graded, the majority of student applicants passed in addition to every member of the iFixit crew.

The Amateur Radio Council of Arizona will hold our annual meeting at 11:00 AM on Saturday, July 15, at the Flagstaff Hamfest. This meeting will include election of officers for the 2022-2023 cycle. Nominations will be open from the floor and we are always happy to have new members join the board. Even if you don't want to run for a board position, we are always looking for more help with other projects including helping member clubs put on hamfests, maintenance of the ARCA trailer, golf cart and other associated equipment. We will also present our annual Ham-of-The Year and Scholarship applications during this meeting.

The ARCA repeater owners committee will also hold a meeting at the Flagstaff Hamfest. Our 70cm coordinator had to resign recently because of some family obligations. So we will be looking for a volunteer to serve in that capacity.

Because there are more 70cm coordinators than any other band, more than one volunteer for this position would also be appreciated.

And finally, a word about the Flagstaff Hamfest. We are EXTREMELY happy that the Northern Arizona DX Association (NADXA) has stepped up to sponsor this event after nearly 20 years of not having an event in Flagstaff. ARCA is very happy to be assisting NADXA putting on this event and are hopeful that this will become an annual event and get better each year for years to come!

73, Lee K7OED



The poster for the Flagstaff Hamfest features a central graphic of a mountain range with a sun rising behind it. Above the mountains are three logos: the ARCA logo on the left, the NADXA logo in the center, and a diamond-shaped logo on the right. Below the graphic, the text reads: "Northern Arizona DX Association Presents the FLAGSTAFF HAMFEST Sponsored by The Amateur Radio Council of Arizona". The date "Saturday July 15, 2023" is prominently displayed. To the left of the date, it says "Doors Open at 7:00 AM" and "Indoors/Outdoors at Sinagua Middle School, Rain or Shine 3950 E Butler, Flagstaff, AZ". To the right of the date, it lists "RAFFLE! Grand Prizes" including an Icom IC-7300, a Cornell CAA-500 MARK II SWR/Impedance Analyzer, and a LifePO4 504h Battery. Below the date, it says "5\$ Donation for Admission" and "HOURLY PRIZES GALORE WITH PAID ADMISSION". To the right of this, it says "Social Dinner Friday 7/14 Westside Sizzler 4:00-6:30PM". Below the date, it says "Tailgating 7 AM - 3 PM" and "Set-up 6-7 AM \$10 per Space". To the right of this, it says "Coffee & Donuts AM Pizza Lunch" and "Vendors Inside 7 AM - 3 PM". Below the date, it says "Technical Presentations" and "Speakers: EME, SOTA, POTA, ARES, HF on 10 Meters, Antennas, ARRL, Morse Code Keys, Mesh Network, Amateur TV, VE Exams, ARCA Annual Meeting, Repeater Owners and much more!!!". To the right of this, it says "ARRL Booth with QSL Card Checking". Below the date, it says "For more information: Email - FlagstaffHamfest@NADXA.com Web - FlagstaffHamfest.org". To the right of this, it says "Preregistration available online". At the bottom, it says "NO Guns, Drugs, Alcohol, Smoking, Vaping, or Fireworks - Only Leashed Animals Outside, Only Service Animals Inside".

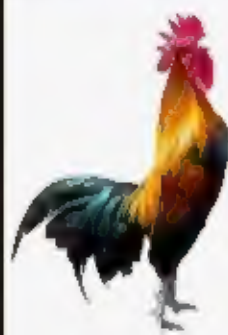


Other Club Stuff

From Diane AA3OF: RST VE Testing will be held at Immanuel Presbyterian Church, Witherspoon Hall, 9252 E 22nd St, at 7pm.

2023	July 10	Oct 9
	Aug 14	Nov 13
	Sep 11	Dec 11

If you live in the Graham or Greenlee County and are interested in a VE Testing Session, please feel free to contact Dan Quaintance AF7EF, (928) 235-1152.



Rise and Shine!!! with the Made it through the Night Gang Weather Net

**0530 Mountain Standard Time Daily
on the EAARS Repeater System**

**Weather and
Conversation**

**Get a handle on the local weather from your fellow HAM operators around the
EAARS coverage area and get to know them better.**

**We do a technical question of the week on Wednesday
and the "Flea Market of the Air on Fridays**

**W7G8P – Steve
Net Control
K1VM/N7CDW
Keith/Carrie**

**Do you have any club news to share? It can be posted on this page.
Send your info to Angie - emberfire@cox.net.**

Cooking up
Some Magic



Red, White and Blueberry Trifle

A heavenly mixed berry trifle made with summer fresh blueberries, strawberries, white chocolate pudding, angel foods cake and whipped cream.



*Courtesy of
skinnytaste.com*

Ingredients:

- 10 oz angel food cake, cut into 1-inch cubes*
- 2 pints strawberries, sliced
- 2 pints blueberries

For the cream filling:

- 6 tbsp fat-free sweetened condensed milk
- 1 1/2 cups cold water
- 1 1-oz package white chocolate or cheesecake instant pudding mix, fat-free, sugar-free
- 12 ounces frozen whipped topping, thawed

Instructions:

1. Whisk the condensed milk and water in a bowl.
2. Whisk in the pudding mix for 2 minutes.
3. Let stand for 2 minutes or until soft-set; fold in the whipped topping.
4. Arrange half of the cake in the bottom of a 14-cup trifle dish.
5. Sprinkle evenly with a layer of blueberries.
6. Spread half of the cream mixture over the blueberries and gently spread (I piped it using a plastic bag and cut the corner off).
7. Top with a layer of strawberries.
8. Layer the remaining cake cubes on top of the strawberries, then add more blueberries and top with the remaining cream mixture.
9. Finish with the remaining strawberries and blueberries, arranging them in a pretty pattern.
10. Cover and refrigerate at least one 1 hour.

